

Basin 128

NOI 51734

Churchill Co.

Well Log #91733



Lahontan GeoScience, Inc.

Well Abandonment Log

Project: Water Well Closures in Dixie Valley

Project No.: NASF: 03140

Sheet 1 of 1

Contract No: 49162

Boring No.: 080A

Location (TRS): T. 21N, R. 35E, Sec. 18, SE¼, NW¼

Location (Lat/Lon): 39° 41.009' N, 118° 05.125' W

Elevation: 3381 ft

Permit No.: none

Well Log: none

Measured Depth: 320 ft

Perf. Date: 10/28/03

Borehole Dia.: unknown

Casing Size: 10", Steel

Measured Casing Size: 10", Steel

Plug Date: 10/30/03

Borehole Depth: unknown

Casing Depth: unknown

Static Water Level: Surface

Supervised by: J. R. Humphrey

Perforations at time of construction: 172 - 315 ft

Additional Perforations: 10 - 168 ft

Driller: W. E. Knoblock AB2213

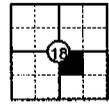
Depth (feet)	Lithology	Detail	Well Construction	
	*Recorded at time of drilling		*Recorded at time of drilling	Abandonment
0	No well log available			Well flowing at surface
50				Casing broke at 3 ft bgs during pulling
100				plug date: 10/30/03 vol. of cement = 8.0 cu. yds nominal density = 18.6 lbs./gal.
150				Additional perforations: 10 - 168 ft 5 perms per foot
200				Original perforations from 172 - 315 ft interpreted from lack of resistance to mills knife
				Measured Depth = 320 ft

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STATE ENGINEERS ASSOCIATION

T. 21N, R. 35E, Sec. 18, SE¼, NW¼



a surface seal from 0 to 30 feet bgs was interpreted from refusal of the knife to penetrate the casing.

The well was abandoned on November 20, 2003, by placing 249 feet of 2-inch diameter poly pipe to the bottom of the hole and pumping neat cement grout to the land surface. Approximately 6 cubic yards of grout weighing about 18 lbs/gal were placed in the well. The amount of grout used was 331 percent of the cylindrical well volume. Subsequent to grouting the well the casing was cut down to land surface.

Well 80A

Well 80A was located in NW¼, SE¼, section 18, T21N, R35E. A search of the records archived at the Carson City office of DWR failed to identify a log that could be confidently associated with this well. This well was used for crop irrigation. The 10-inch diameter steel casing was measured to a depth of 320 feet bgs. At the time of abandonment the static water level was at ground surface although it was clear that the well had been flowing at one time.

An attempt to pull the casing failed. The upper 3 feet of casing broke in an area of heavy corrosion while preparing to pull. Perforation of the casing was completed on October 28, 2003. The presence of a screened interval from 172 to 315 feet was interpreted from the lack of resistance to the mills knife. Additional perforations (5 per foot) were cut into the casing from 10 to 168 feet.

Well abandonment took place on October 30, 2003, by placing 311 feet of 2-inch diameter steel pipe in the well and pumping neat cement grout to the land surface. Approximately 8 cubic yards of grout weighing about 18 lbs/gal were placed in the well. The amount of grout used was 124 percent of the cylindrical well volume.

Well 81A

Well 81A was located in SW¼, NW¼, section 18, T21N, R35E. A search of the records archived at the Carson City office of DWR failed to identify a log that could be confidently associated with this well. This well was being used to fill a stock pond. The 10-inch diameter steel casing was measured to a depth of 203 feet bgs. At the time of abandonment the well was flowing at a rate of about 10 gpm.

No obstructions, debris, or foreign materials were found in this well. An attempt to pull the casing failed. Perforation of the casing was performed on October 23, 2003. Using the mills knife 5 perforations per foot were cut into the casing from 10 to 193 feet.

The well was abandoned on October 30, 2003, by placing 185 feet of 2-inch diameter steel pipe in the well and pumping neat cement grout to the land surface. Approximately 6 cubic yards of grout weighing about 18 lbs/gal were